

**FIG. 1**

# REPLACEMENT SHEET

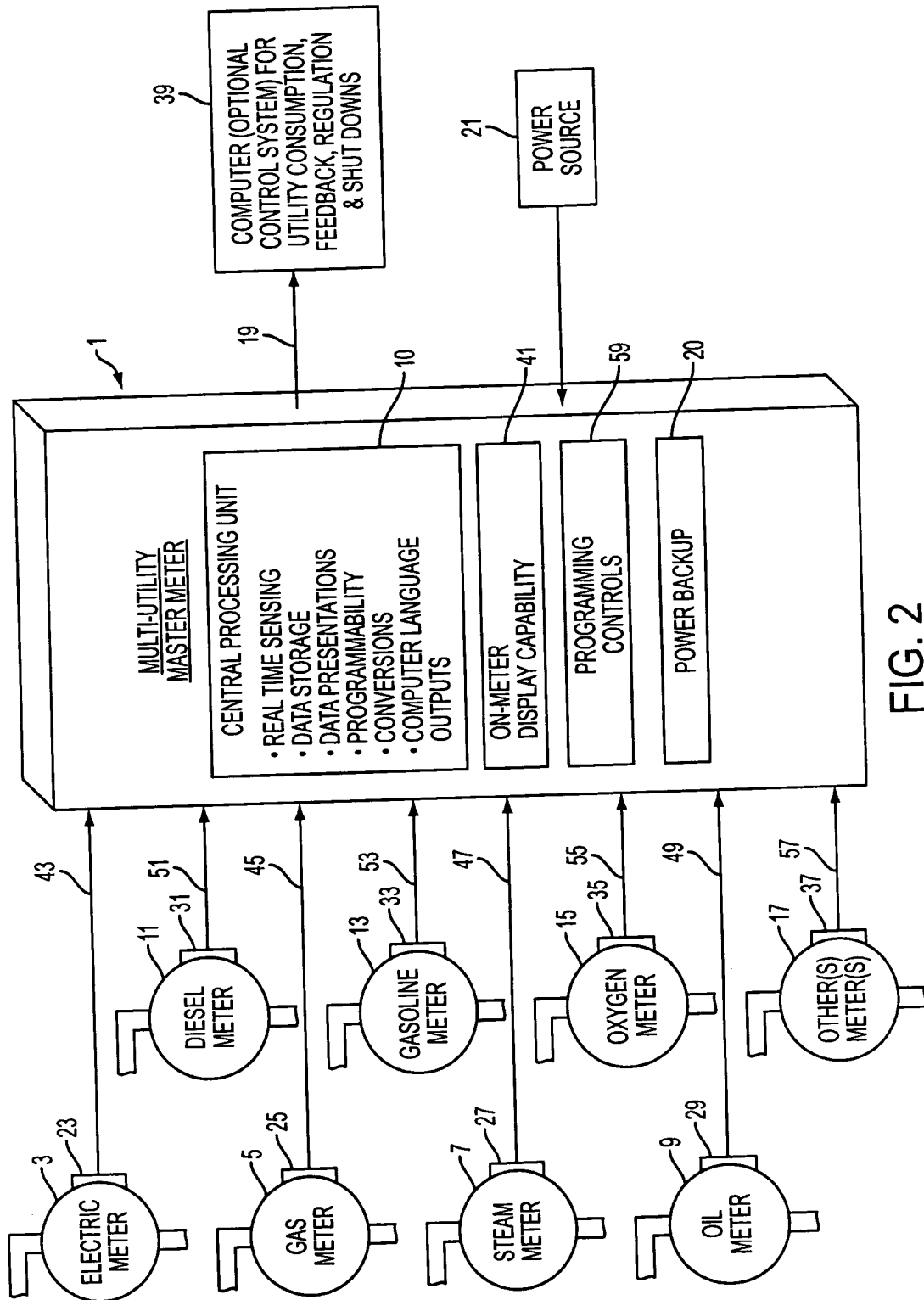


FIG. 2

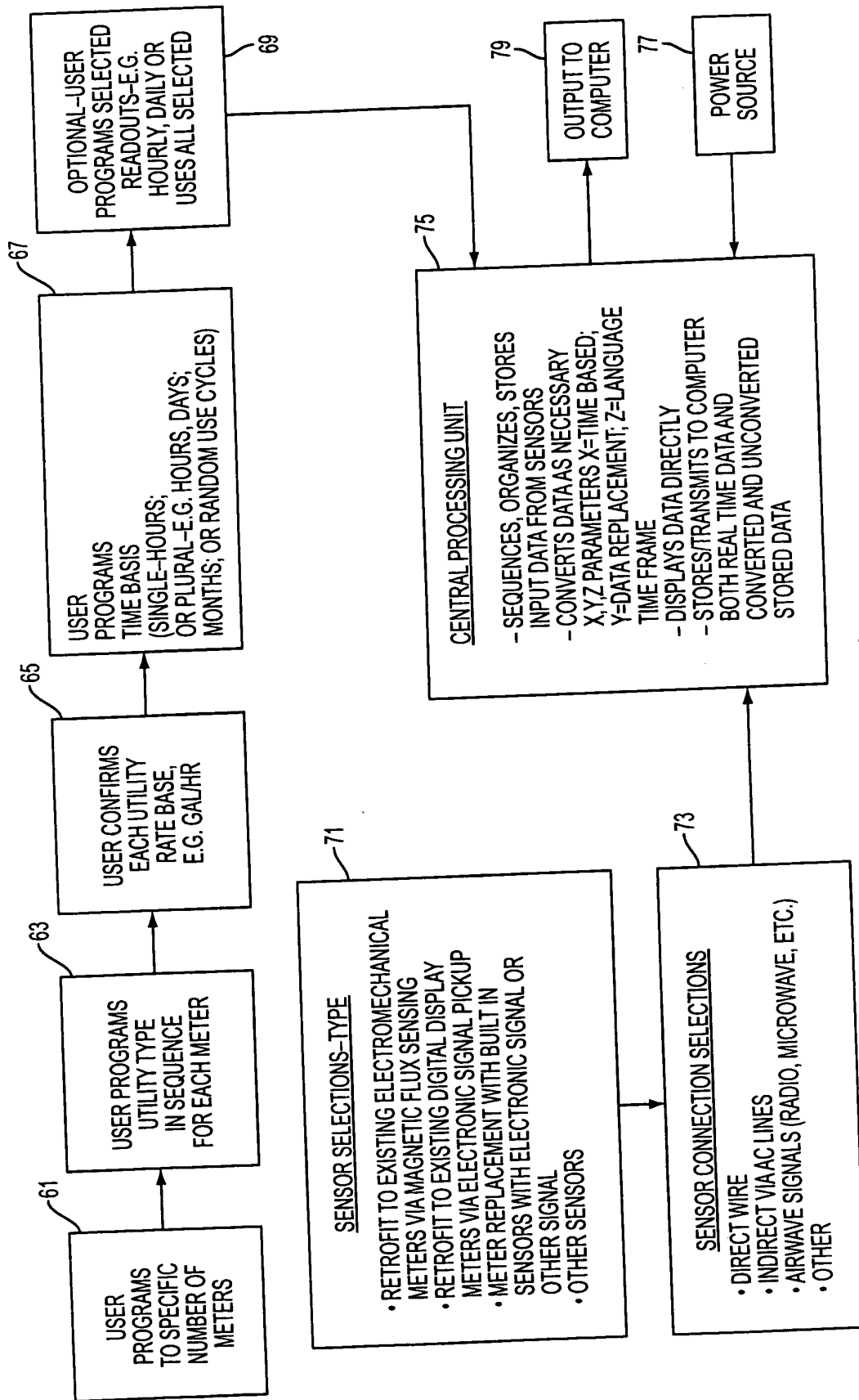


FIG. 3

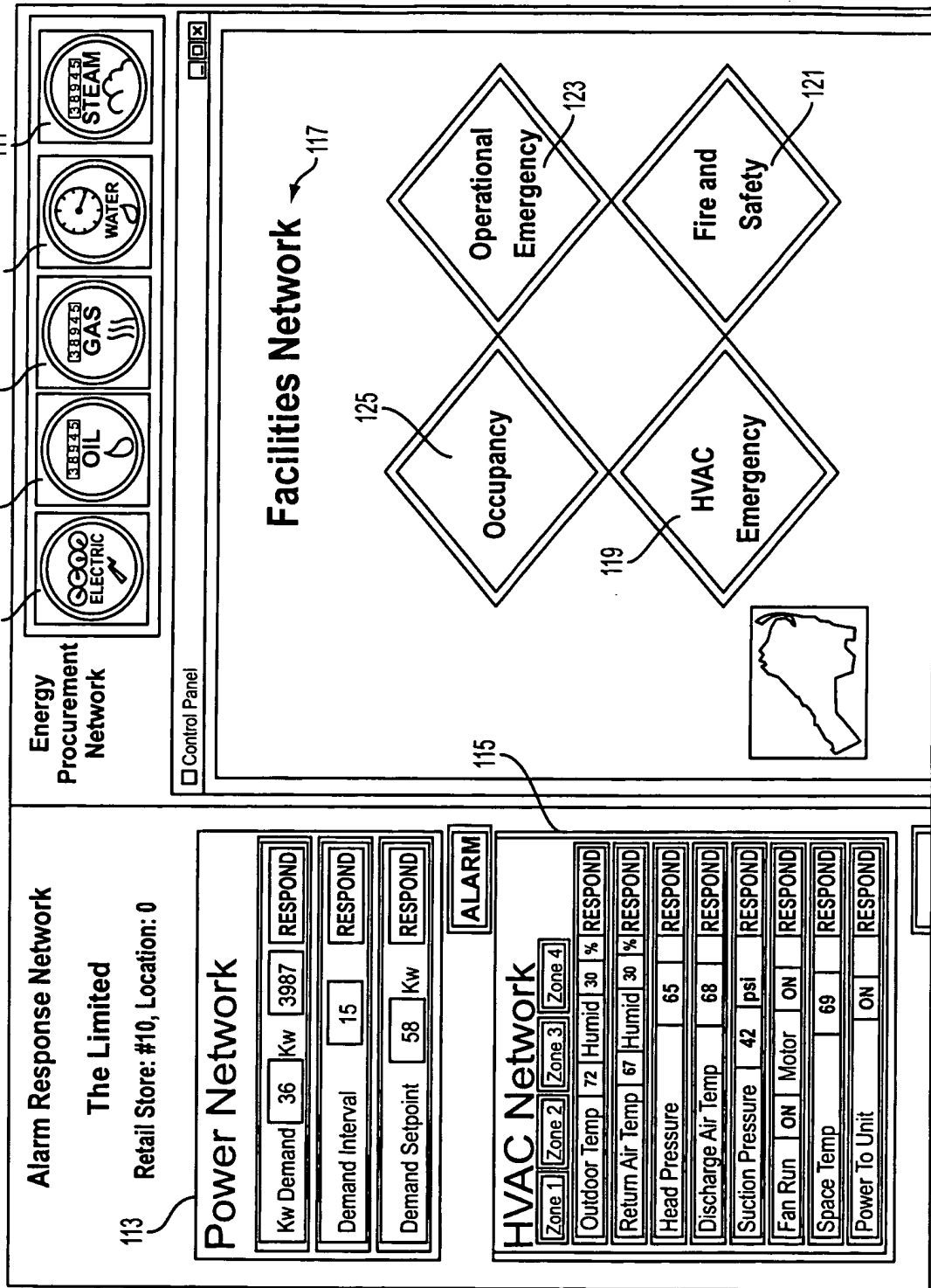
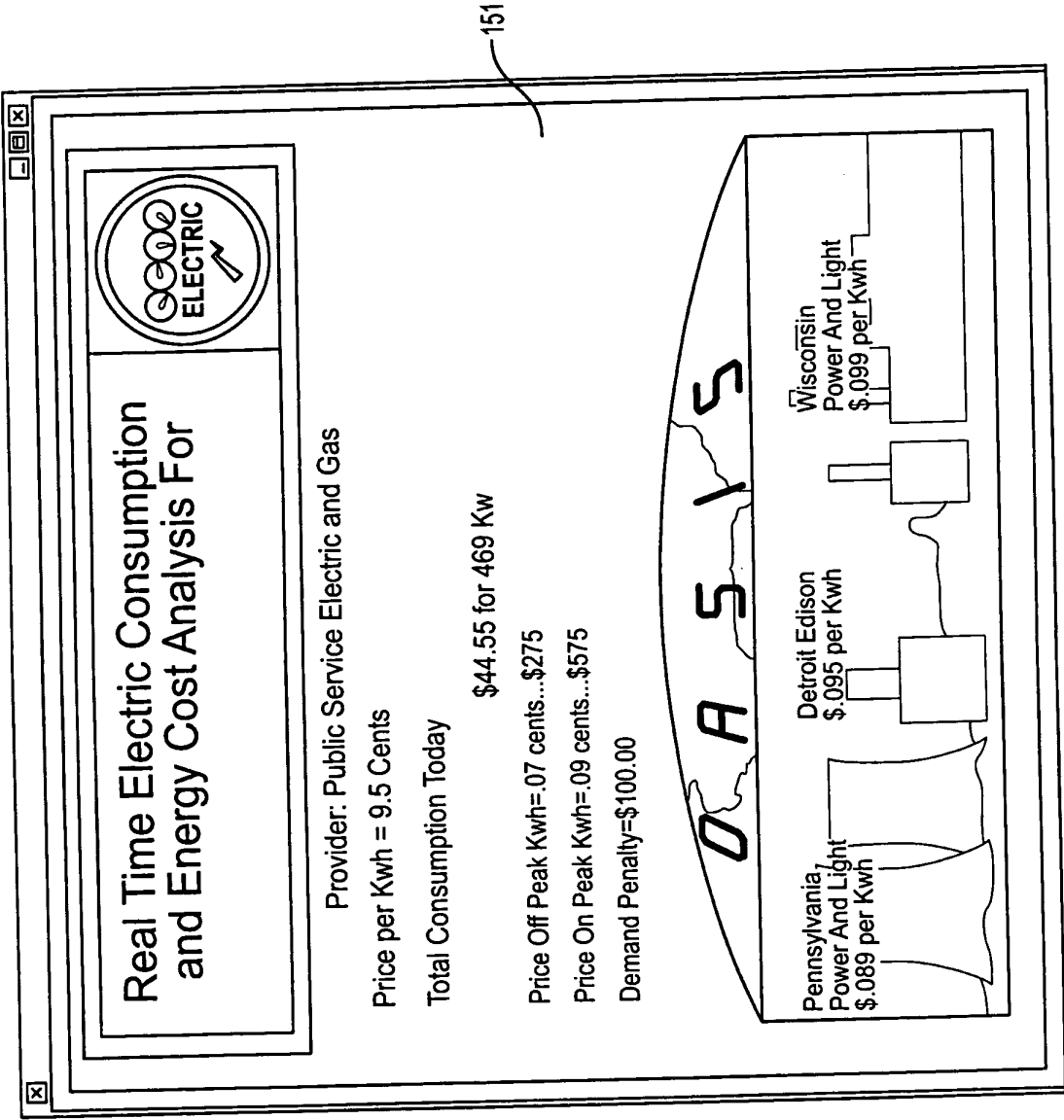


FIG. 4



151

FIG. 5


## REPLACEMENT SHEET

RETURN

# OASIS Nodes in MAAC

Node:  
**PJM OASIS**

[<http://oasis.pm.com>]



Providers on PJM OASIS	
Provider Code	Provider Name
AE	Atlantic City Electric Company
BGE	Baltimore Gas and Electric Company
DPL	Delmarve Power and Light Company
GPUE	GPU Energy
PECO	PECO Energy Company
PPL	Pennnsylvania Power and Light Company
PEPC	Potomac Electric Power Company (PEPCO)
PJM	PJM
PSEG	Public Service Electric and Gas Company

FIG. 6

## REPLACEMENT SHEET

**Occupancy**

RETURN

**OUTSIDE INFORMATION**

# Of People Who Passed The Front Door/Gate236

Approximate Time That These People Walked By

8:00 AM to 10:30 AM	24	3:30 PM to 5:00 PM	144
10:30 AM to 1:00 PM	14	5:00 PM to 7:30 PM	26
1:00 PM to 3:30 PM	56	7:30 PM to 10:00 PM	179

**INSIDE INFORMATION**

# Of People Who Entered The Front Door/Gate46

Approximate Time That These People Walked In

8:00 AM to 10:30 AM	13	3:30 PM to 5:00 PM	29
10:30 AM to 1:00 PM	24	5:00 PM to 7:30 PM	13
1:00 PM to 3:30 PM	16	7:30 PM to 10:00 PM	86

211

FIG. 7

-221

FIG. 8





HOSPITAL  
LOCATIONS -  
ROOMS

FIG. 10

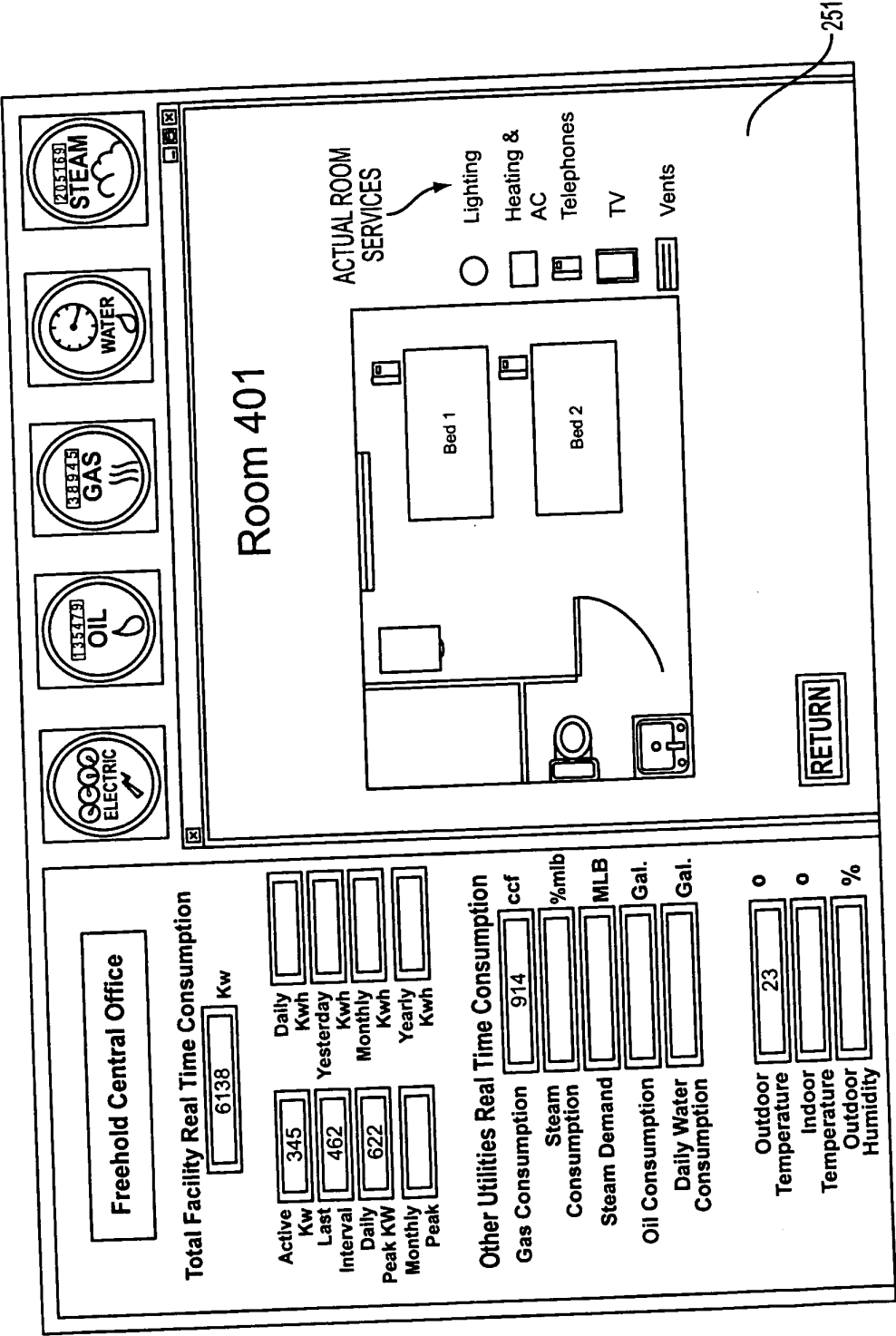


FIG. 11

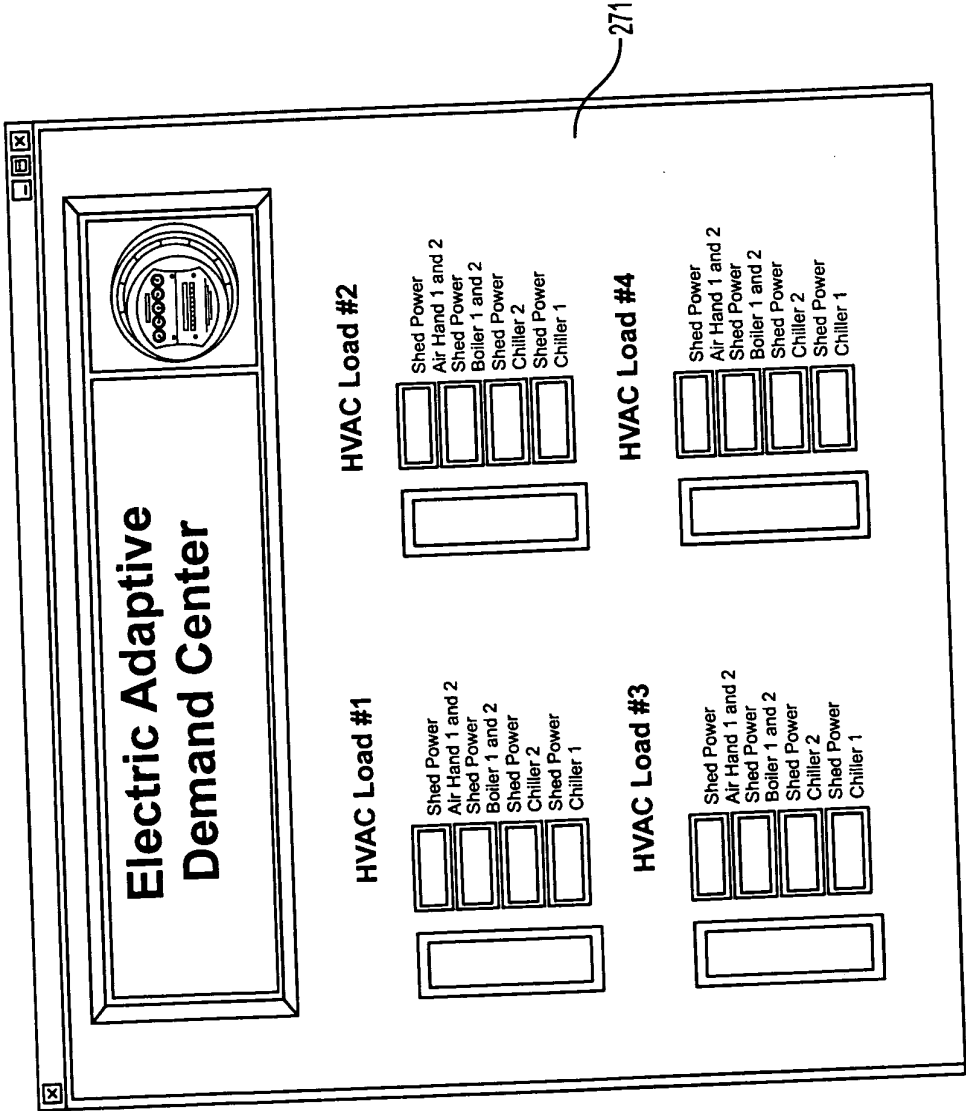


FIG. 12

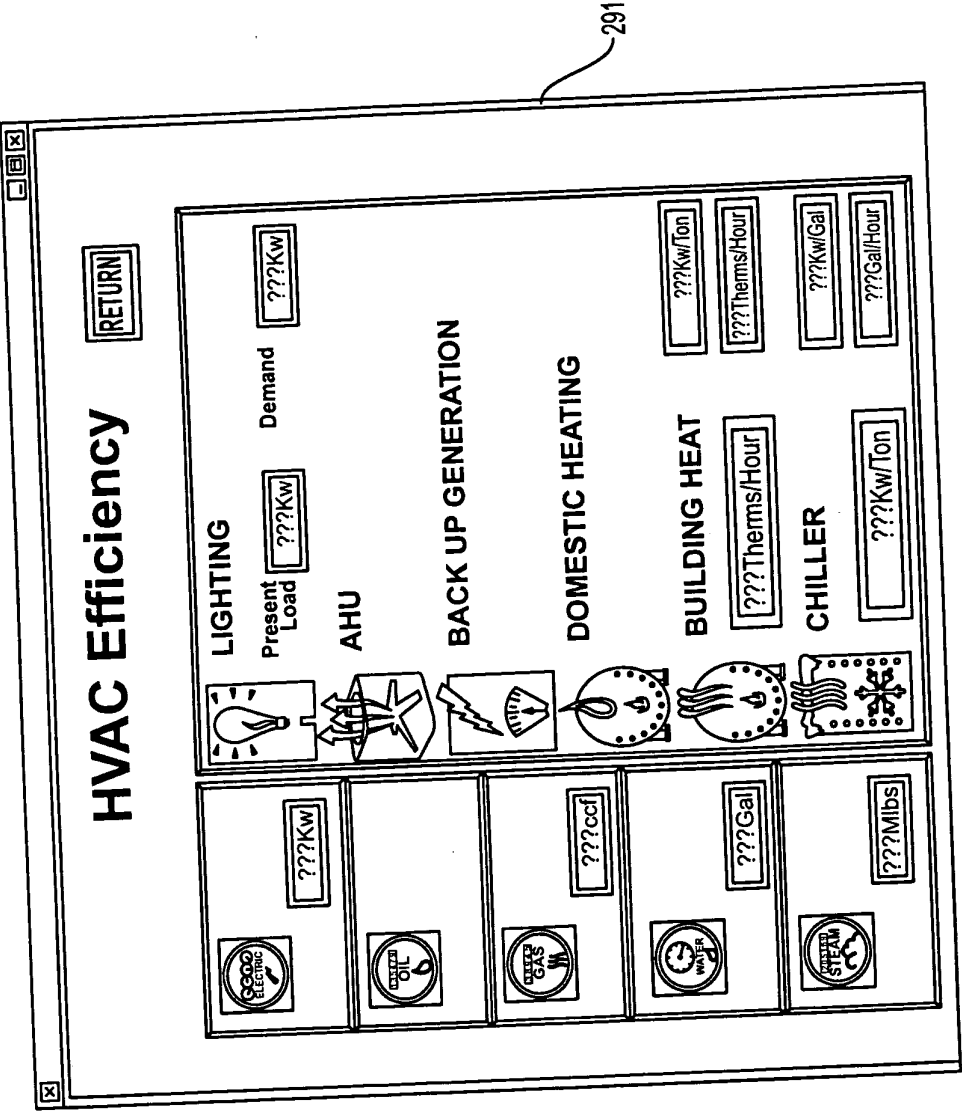


FIG. 13

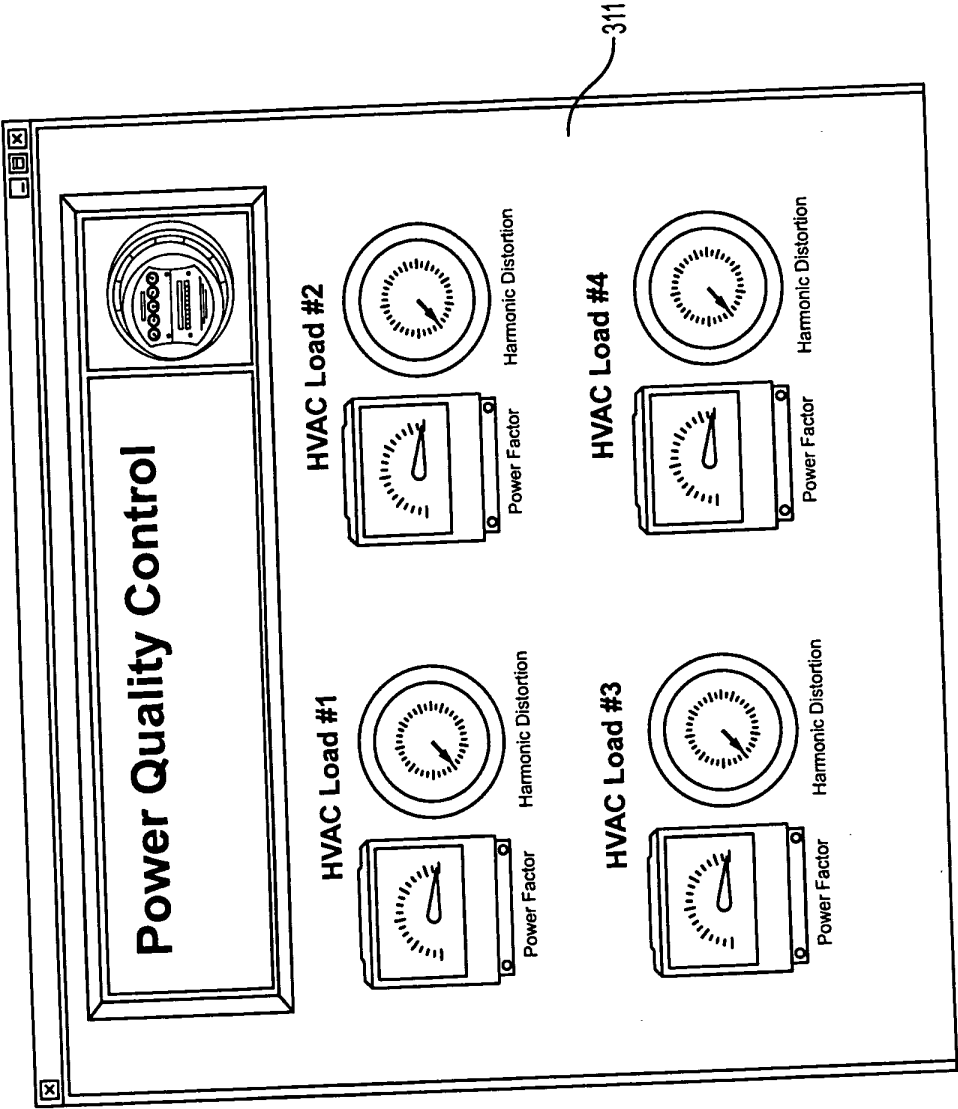


FIG. 14

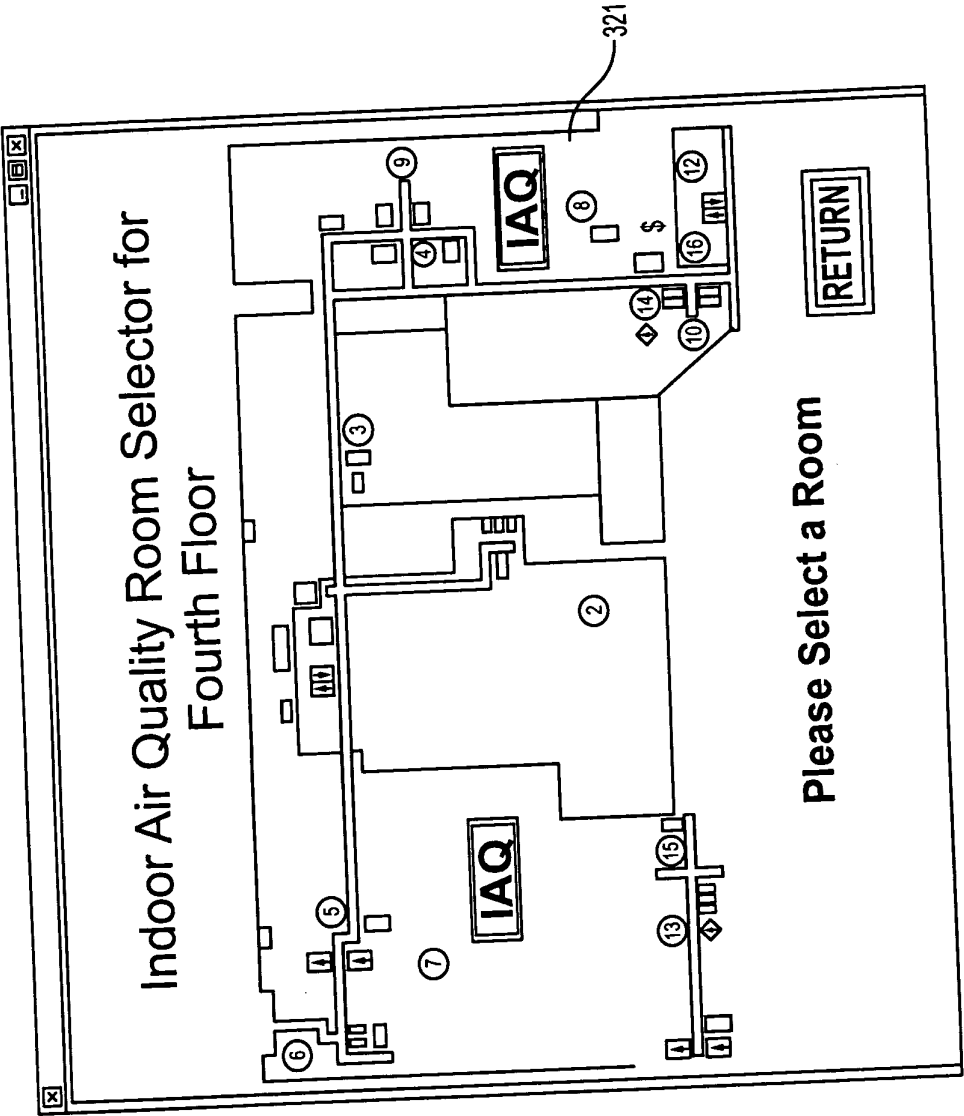



FIG. 15



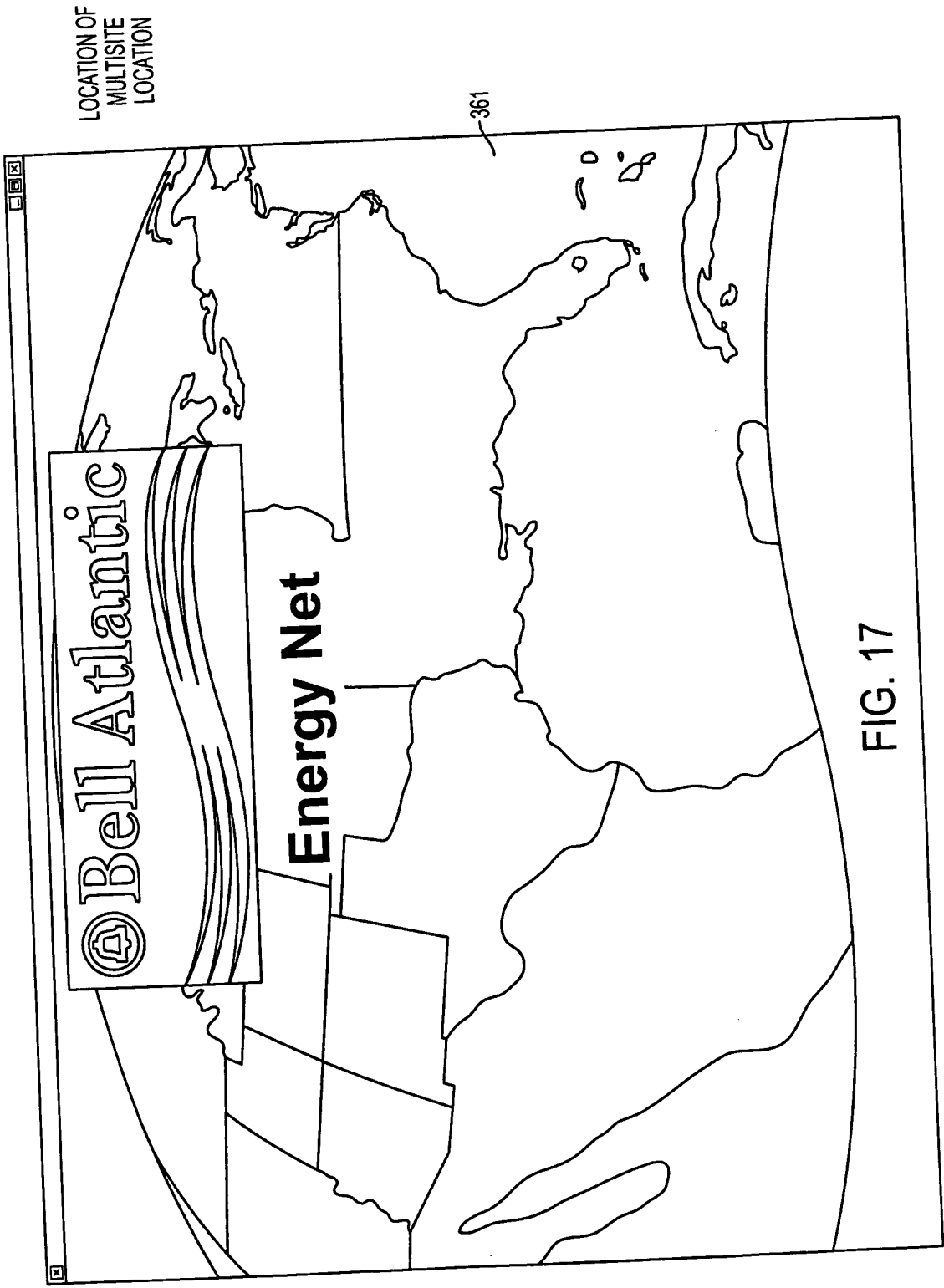
Indoor Air Quality

RETURN

	Level Detected	Acceptable
SO <sub>2</sub> - Sulfur Dioxide =	0.2 ppm	0.14 ppm
H <sub>2</sub> S	0 ppm	0.14 ppm
CO <sub>2</sub> - Carbon Dioxide	1500 ppm	1000 ppm
CO - Carbon Monoxide	1 ppm	2.5 ppm
NO - Nitrous Oxide	37.2 ppm	0.4 ppm
NO <sub>2</sub> - Nitrogen Dioxide	0.7 ppm	0.3 ppm
VOCs - Volatile Organic Compounds	High	Medium
RH - Relative Humidity	44% - 58.4%	
Temp -	.	

FIG. 16





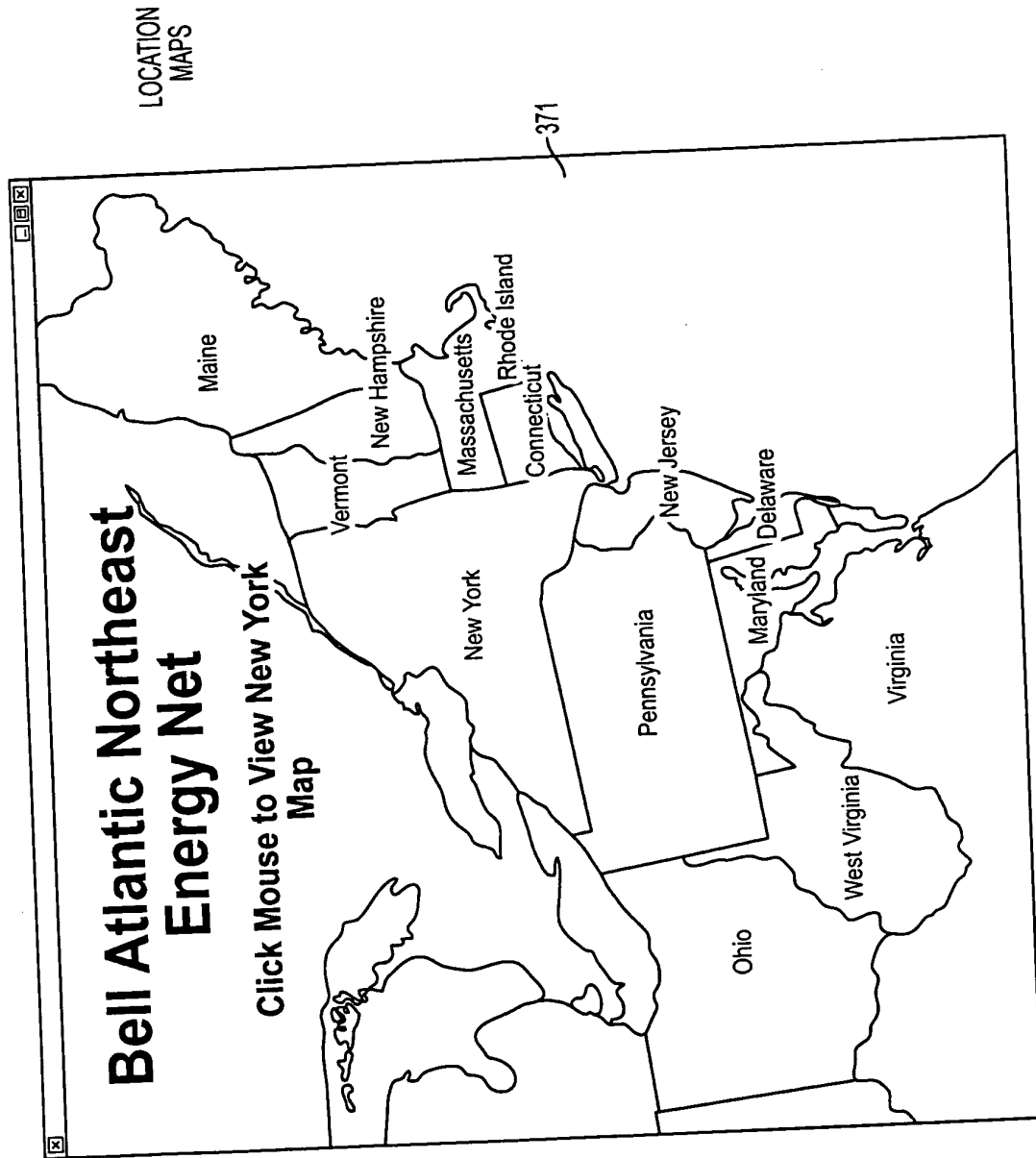


FIG. 18

REPLACEMENT SHEET

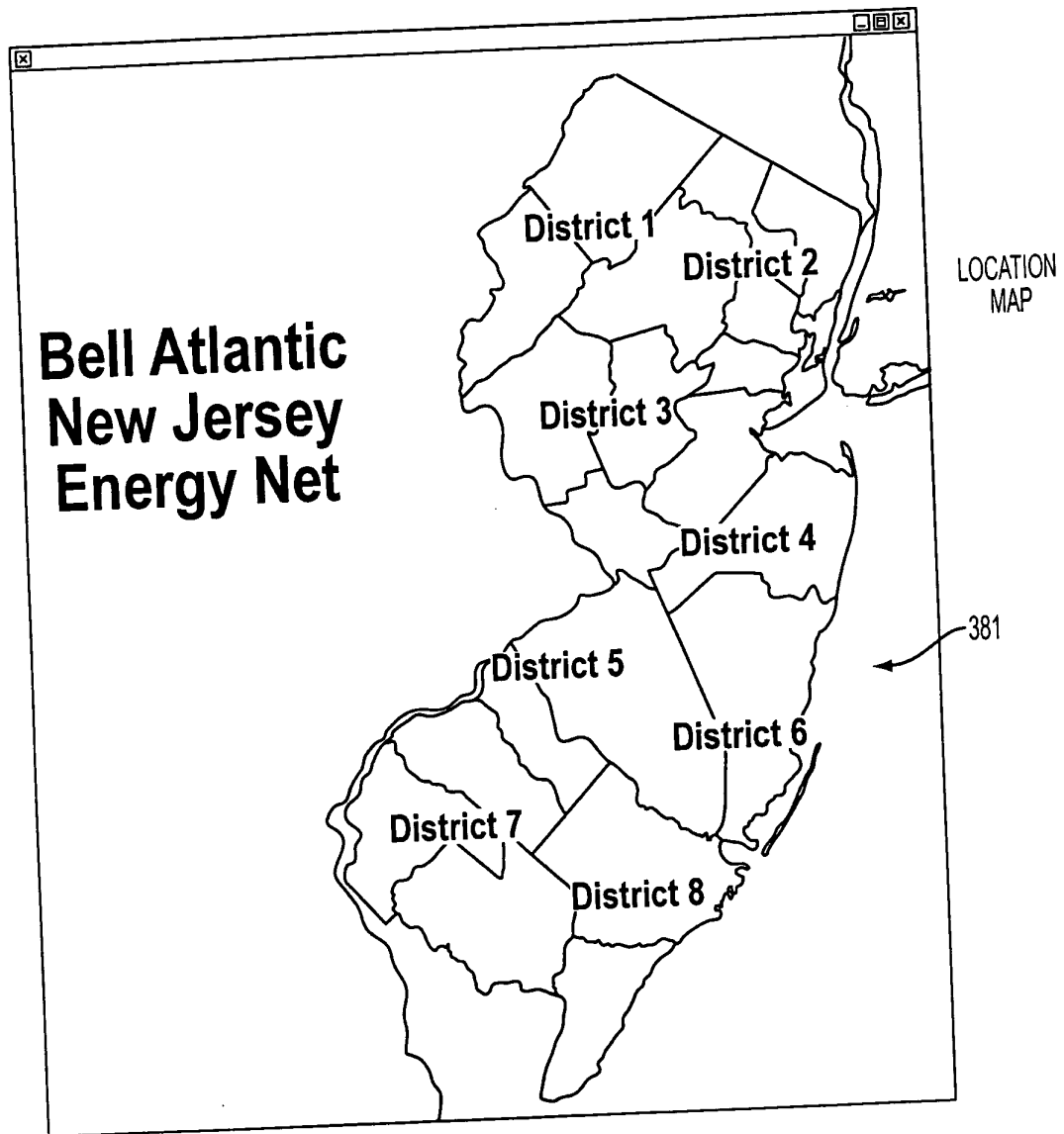


FIG. 19

REPLACEMENT SHEET

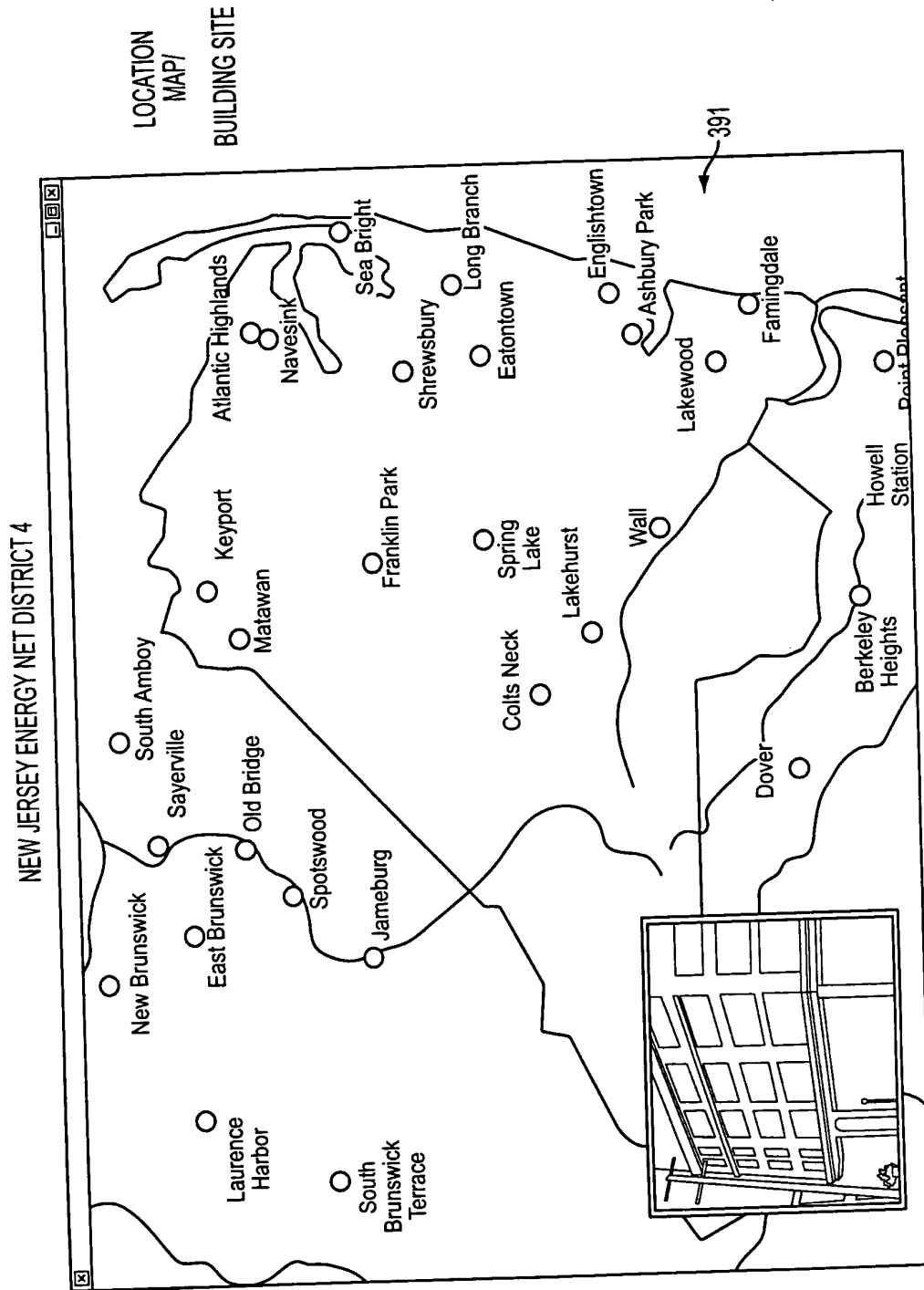


FIG. 20

REPLACEMENT SHEET

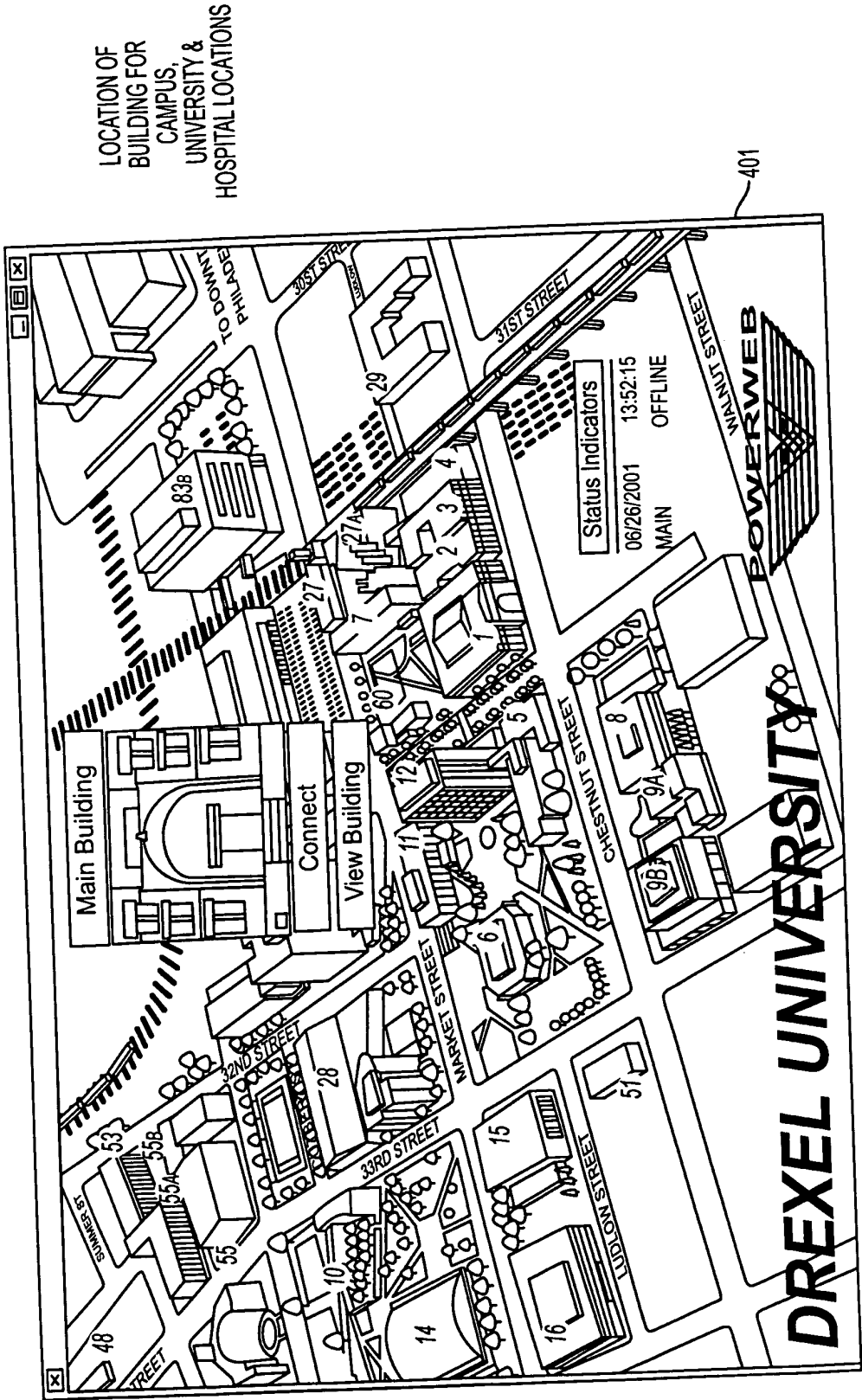


FIG. 21

# REPLACEMENT SHEET

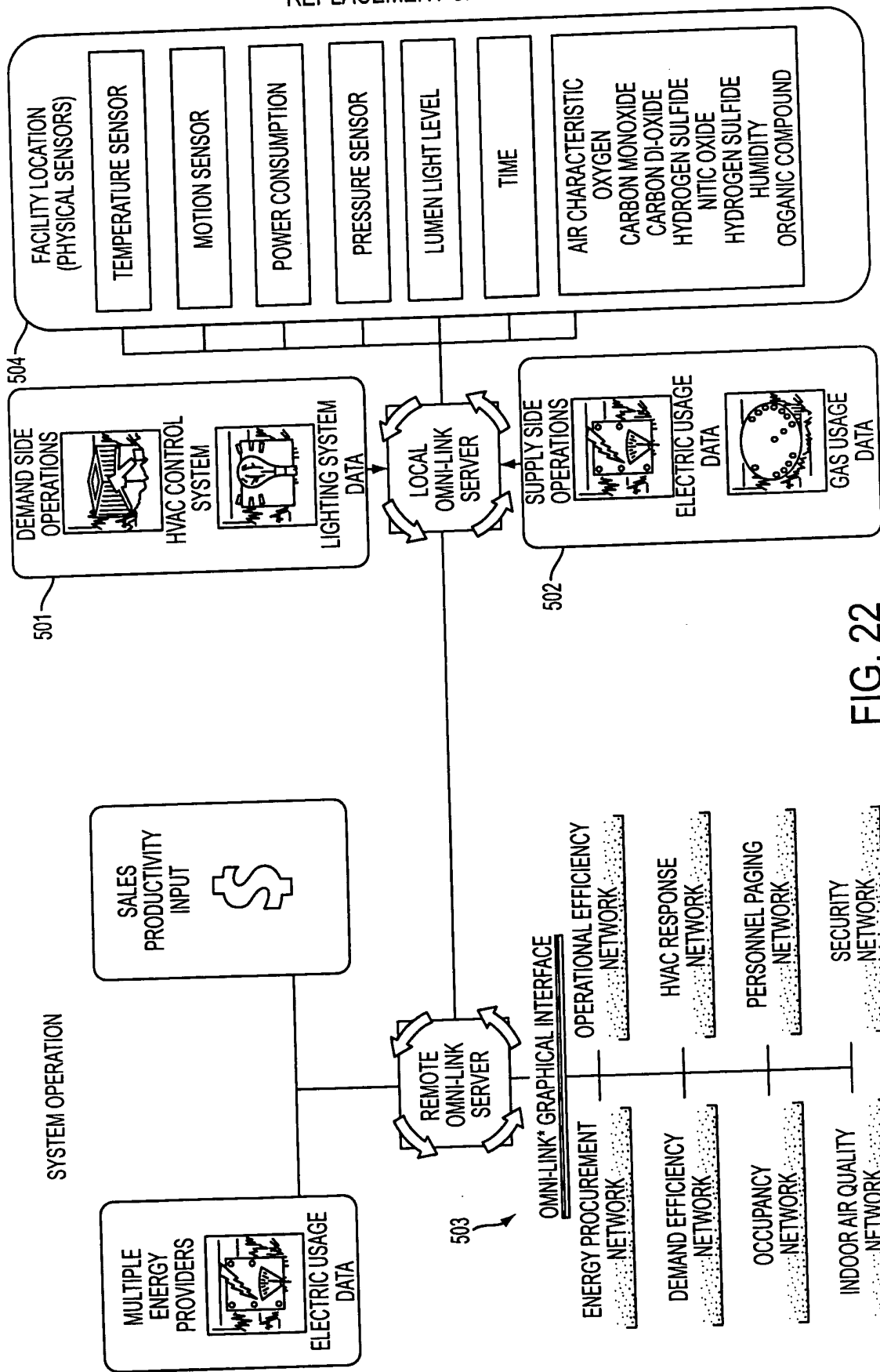
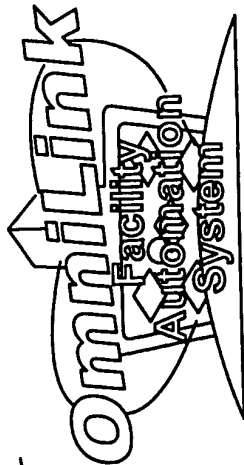


FIG. 22



DEMAND  
EFFICIENCY  
NETWORK

NET BENEFITS:

- CENTRALIZED DEMAND CONTROL
- LOCALIZED DEMAND CONTROL
- UTILITY PROCUREMENT DEMAND CONTROL
- CORPORATE DEMAND PROFILING
- PINPOINT PROBLEM AREAS

NET SAVINGS:

- CONSERVATIVELY A 3-10% REDUCTION IN ELECTRICAL DEMAND

REPLACEMENT SHEET

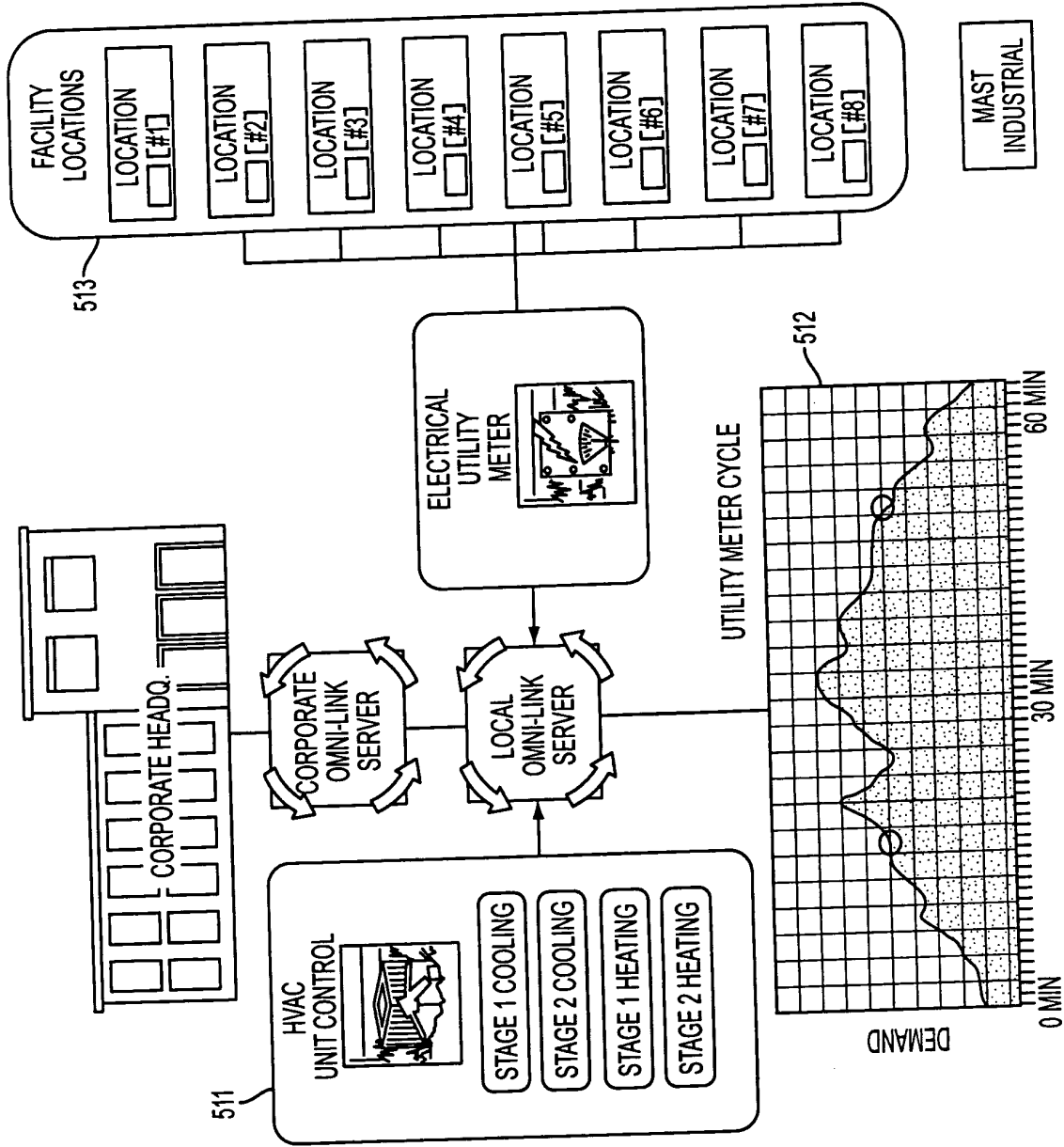
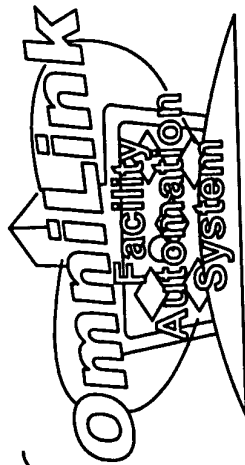


FIG. 23



OPERATIONAL  
EFFICIENCY  
NETWORK

#### NET BENEFITS:

- NATIONWIDE SIMULTANEOUS OPERATIONAL CONTROL
- EFFICIENT OPERATIONS OF HVAC & LIGHTING
- TIMECLOCK EFFICIENCY WITHOUT HUMAN INTERVENTION
- AUTOMATIC SPACE PRE-HEAT/ PRE-COOL
- AUTOMATIC MULTI-STAGE LIGHTING

#### NET SAVINGS:

- CONSERVATIVELY 5-15% REDUCTION IN ENERGY CONSUMPTION

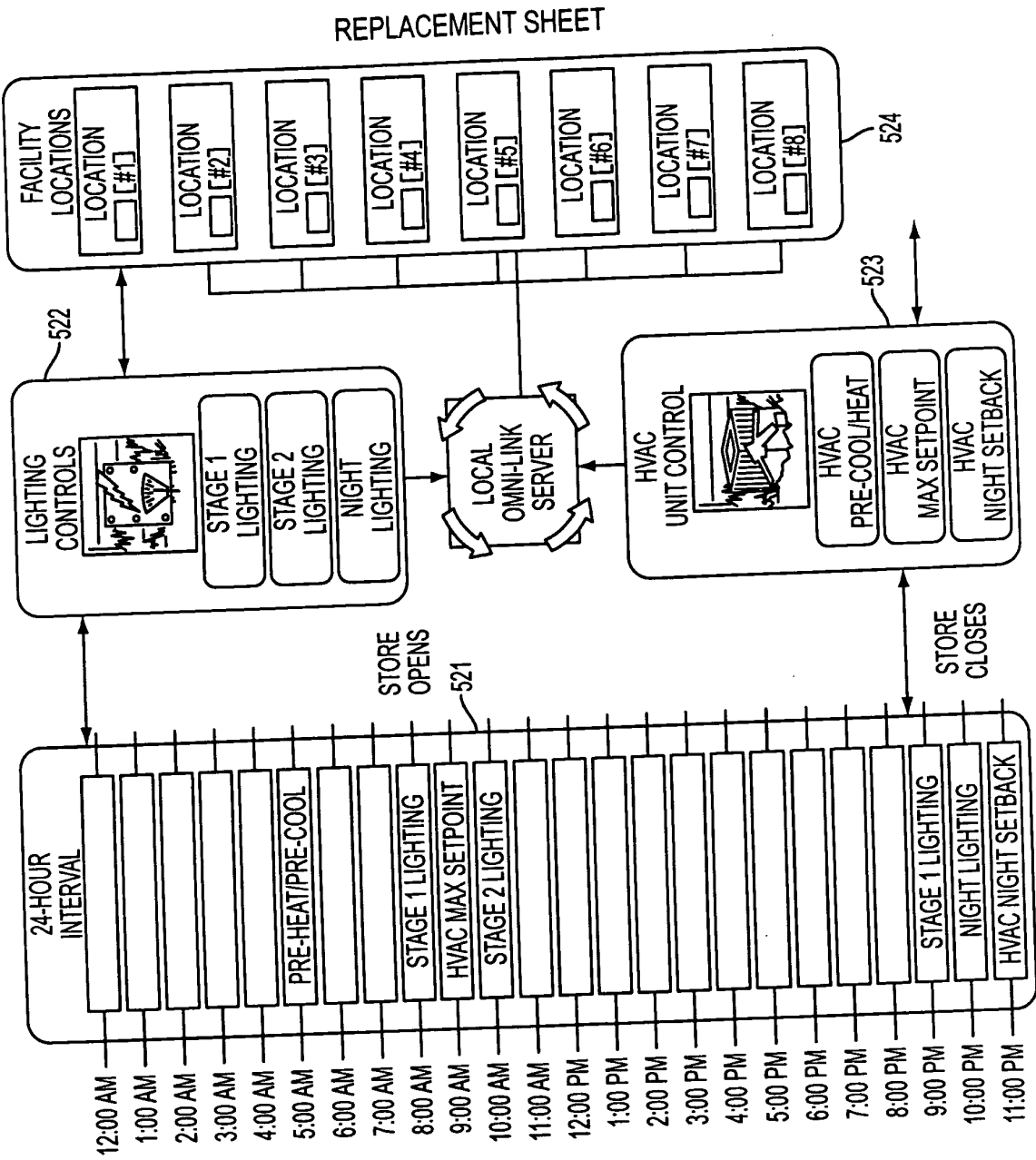
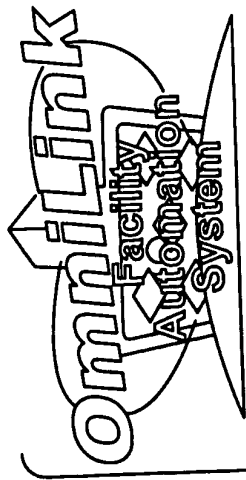


FIG. 24





# ENERGY PROCUREMENT NETWORK

## NET BENEFITS:

- CENTRALIZED PROCUREMENT NETWORK
- LOW COST ELECTRICITY
- INSTANT CONSOLIDATION
- INSTANT AGGREGATION
- GRID PURCHASE / NO MIDDLEMAN

## NET SAVINGS:

- APPROXIMATELY 10% LESS THAN THE DEREGULATED PRICE
- APPROXIMATE SAVINGS 2 TO 5 MILLS

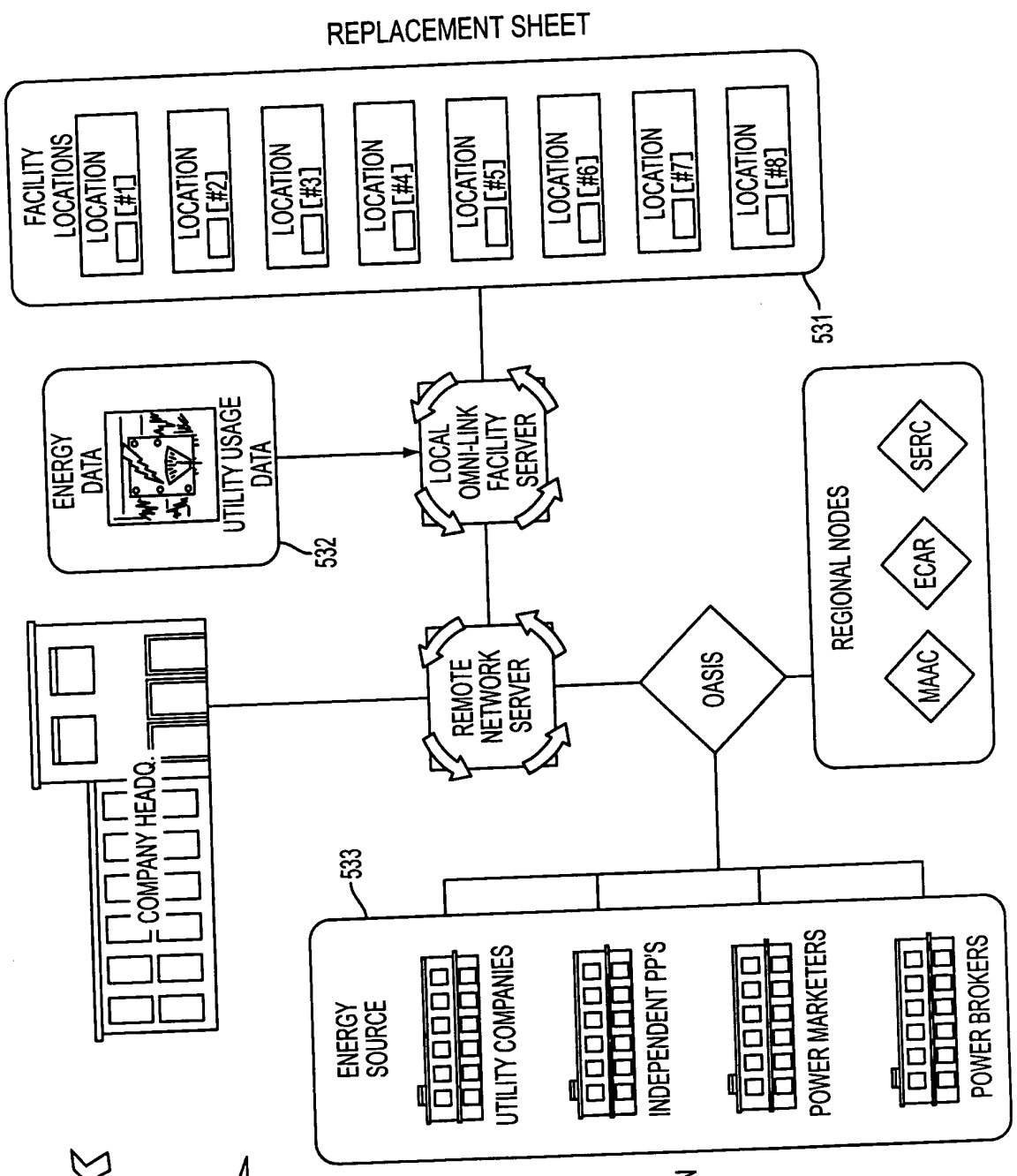


FIG. 25

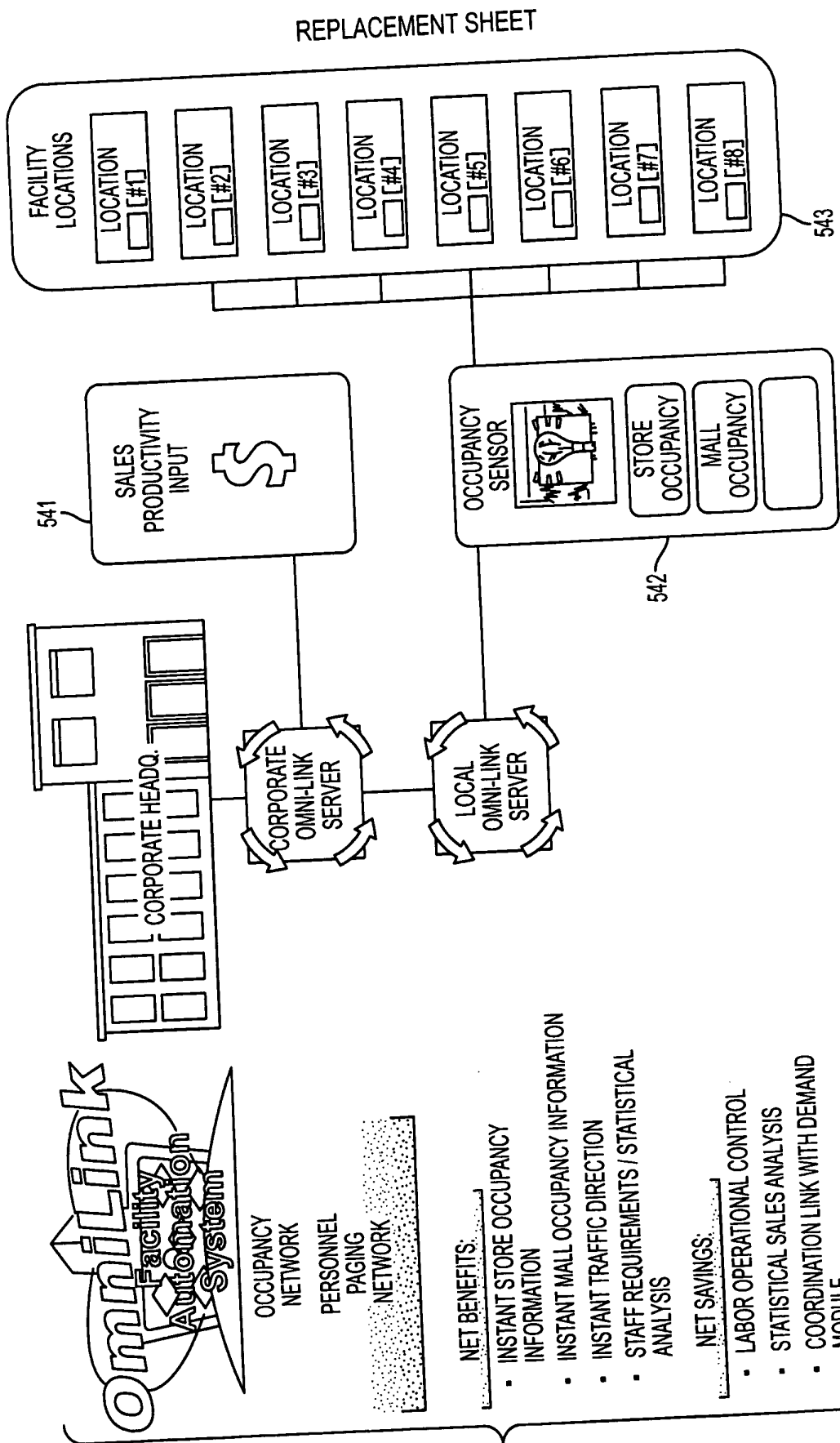


FIG. 26

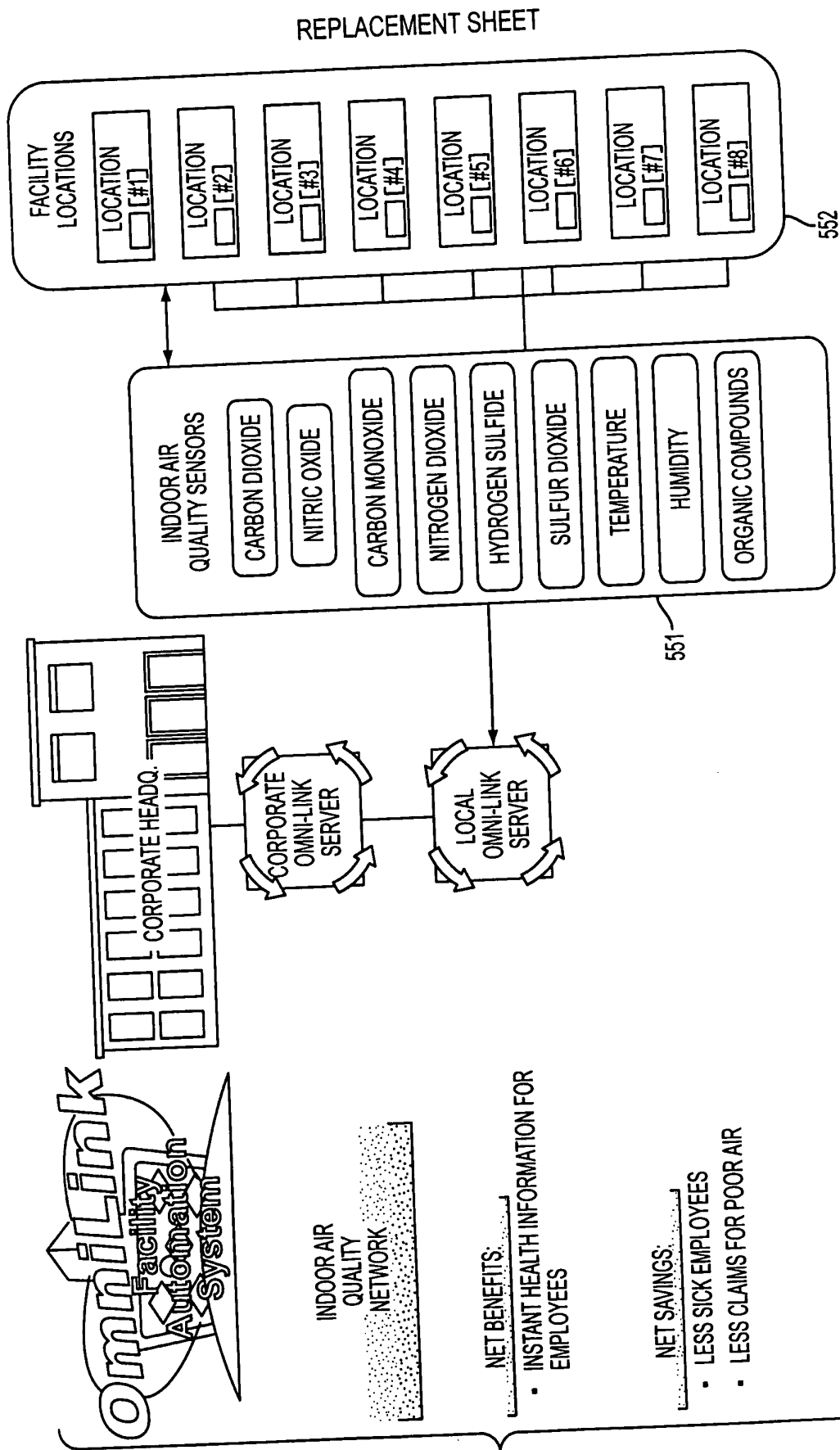
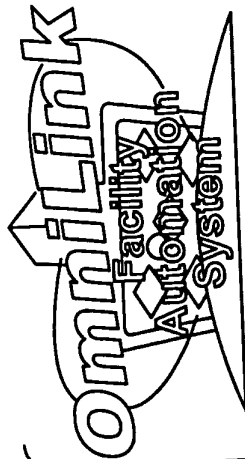


FIG. 27



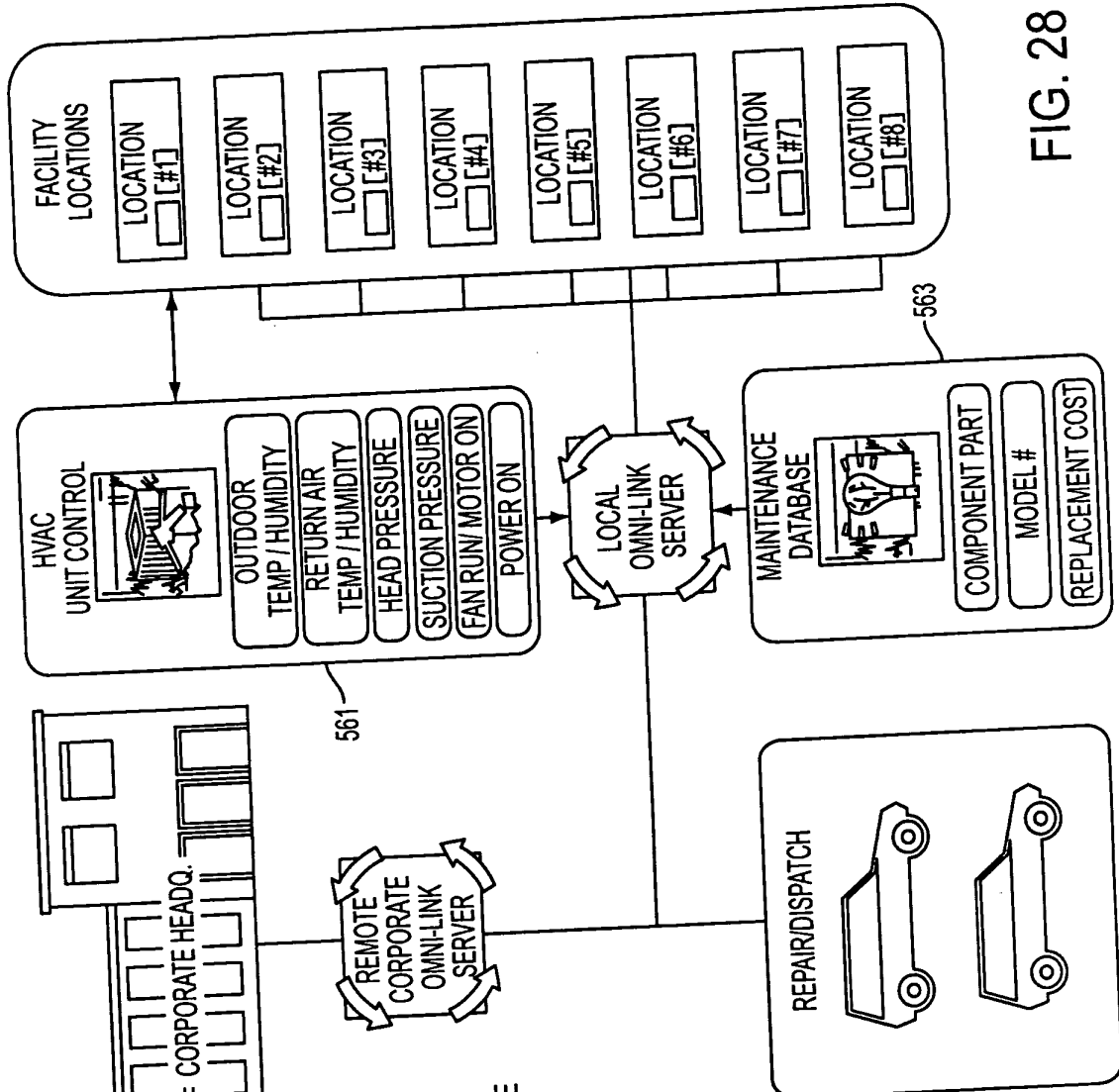
HVAC  
RESPONSE  
NETWORK

#### NET BENEFITS:

- CENTRALIZED PROCESSING FOR ALL HVAC SERVICE
- LOW-PRICED PROACTIVE REPAIR RATHER THAN COSTLY REACTIVE SERVICE (40%)
- COST-EFFECTIVE DISPATCH IDENTIFYING COMPONENT MALFUNCTION
- ALLEVIATION OF FALSE DISPATCHES (30%)
- TRACK REPAIR COST, REPAIR TIME, CONTRACTOR PERFORMANCE, REPEATED BILLINGS
- EMBEDDED PROGRAM / CONTRACTOR TRAINING

#### NET SAVINGS:

- APPROXIMATELY 80% REDUCTION IN FALSE DISPATCH CALLS
- APPROXIMATELY 80% REDUCTION IN OVERTIME WEEKEND REPAIRS
- CONSERVATIVELY A 5-15% REDUCTION IN



REPLACEMENT SHEET

FIG. 28